

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A method performed in one single transceiver for allocating transmission capacity between the two directions of transmission in wire line data communication, comprising:

the step of allocating from said single transceiver different parts of the available bandwidth of one line to different duplex methods simultaneously,

wherein the step of allocating comprises allocating at least two frequency bands to FDD, said FDD bands following a first band in frequency, which is used for full duplex with echo cancellation, at least one of the FDD bands being used for upstream transmission and at least one for downstream transmission.

2. (previously presented) The method according to claim 1, further comprising using the Zipper technique for the data transmission.

3. (previously presented) The method according to claim 1, wherein the step of allocating comprises allocating a first frequency band comprising the lowest available frequency band to full duplex with echo cancellation.

4. (canceled)

5. (previously presented) The method according to claim 1, wherein the step of allocating comprises allocating a frequency band for the highest of the available bandwidth to burst mode duplex.

6. (previously presented) The method according to claim 1, wherein the step of allocating comprises allocating a frequency band of the available bandwidth to TDD.

7. (previously presented) A computer readable recording medium with a computer program recorded thereon directly loadable into the internal memory of a processing means within a computer placed in a transceiver, comprising the software code means for performing the steps of claim 1.

8. (previously presented) A computer readable storage medium with a computer program recorded thereon, executed by a processing means in a computer placed in a transceiver, to control an execution of the steps of claim 1.

9. (currently amended) A transceiver adapted to be positioned in communication sites of a wire line data communication system, said transceiver being adapted to transmit and receive data in the system and comprises a control unit (15) adapted to control the functions of the transceiver, comprising:

    said control unit (15) is adapted to control the transceiver to allocate different parts of the available frequency bandwidth of one line to different duplex methods simultaneously,

wherein the control unit (15) is adapted to control the transceiver to allocate at least two frequency bands to FDD, said FDD bands following a first band in frequency, which first band is used for full duplex with echo cancellation, at least one of the FDD bands being used for upstream transmission and at least one for downstream transmission.

10. (previously presented) The transceiver according to claim 9, wherein the control unit (15) is adapted to control an echo canceller (13) in the transceiver to only echo cancel signals received in the transceiver in certain predefined frequency bands.

11. (previously presented) The transceiver according to claim 9, further comprising a means for using the Zipper technique for the data transmission.

12. (previously presented) The transceiver according to claim 9, wherein the control unit (15) is adapted to control the transceiver to allocate a first frequency band comprising the lowest available frequency band to full duplex with echo cancellation.

13. (canceled)

14. (previously presented) The transceiver according to claim 9, wherein the control unit (15) is adapted to control the transceiver to allocate a frequency band for the highest of the available bandwidth to full duplex in burst mode.

15. (previously presented) The transceiver according to claim 9, wherein the control unit (15) is adapted to control the transceiver to allocate a frequency band of the available bandwidth to TDD.